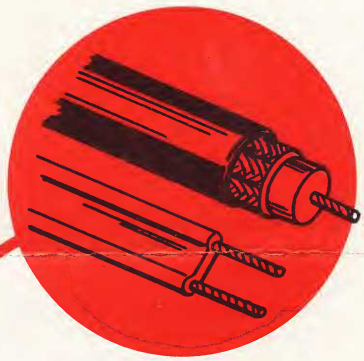
the instrument with endless uses ... the all new improved completely solid state

SENCORE FS134 FIELD STRENGTH METER

HERE ARE JUST A FEW OF THE MANY USES...

A. Distribution Systems



D. Transmission Lines

B. Antenna Installations

E. Antenna Comparisons

C. Color Insurance

only

199.50

lowest price going

F. Checking Generators

A. INSTALLING AND CHECKING OUT DISTRIBUTION SYSTEMS

Qualify for this multimillion dollar business in hotel. motel. and hospital installations.

B. INSTALLING UHF, VHF, AND FM ANTENNAS

Cut down installation time and pay for the FS134 in a short time on critical UHF as well as VHF and FM antennas.

C. COLOR INSURANCE

Be sure the signal is adequate on each channel for proper color TV operation.

D. CHECK TRANSMISSION LINES

For the first time read actual db loss in either 75 or 300 ohm transmission lines.

E. COMPARE ANTENNAS

For actual db gain; see which is best for each location, both VHF and UHF. Also excellent for orienting "dishpans" for translator use at the high end of UHF band.

F. CHECK ANY GENERATOR OUTPUT

For correct frequency and output all the way up to a tenth of a volt RMS. What a time saver when you want to know if your generator is putting out.

PLUS: LOCALIZE NOISE AND INTERFERENCE

Find noise source fast; pick quiet locations for antenna installations or orient antenna away from noise when possible.

These are only a few uses of this UHF-FM-VHF accurately microvolt calibrated field strength meter. You can start paying for the FS134 tomorrow in the time saved today — if you see your Sencore distributor now. Why not pick up the phone and ask him to show you the new FS134?

Q A

QUESTIONS AND ANSWERS ON THE SENCORE FS134 FIELD STRENGTH METER

Q. I have installed antennas for years without a field strength meter. Do I really need one now?

A. If you plan to install only VHF antennas, you may be able to get by without using a field strength meter. However, if you plan to install antennas for color, FM stereo, or the more critical UHF band, you will need the FS134 to obtain the proper signal level and orientation of the antenna. Besides antenna installation, the FS134 can be used to actually compare different antennas for db gain, measure losses in the different types of lead-ins, install and balance out distribution systems, check your generators on the bench for frequency and output, and many more uses. The FS134 is one of the most versatile instruments that you can own.

Q. How does the Sencore FS134 compare to the Jerrold field strength meter?

A. The FS134 uses the Jerrold connector on the front panel for its 75 ohm coax input connector and uses the same industrial standard for its 0 db reference. The 0 db reference is merely a 1000 microvolt signal level across 75 ohms. The meter scale on the FS134 is calibrated in both microvolts and db. The readings from the FS134 are true values of db and microvolts and are not relative values as found on other instruments.

Q. Does the FS134 require additional plug-in units or accessories for measuring UHF frequencies?

A. No. The FS134 is the only field strength meter that covers the UHF band as well as the VHF and FM bands without the use of adaptors or accessories. The UHF tuner in the FS134 is a separate built-in unit to insure greater accuracy at these frequencies.

Q. Can I use the FS134 to measure the high level signal output of an antenna distribution amplifier?

A. Yes. The FS134 attenuator system of 0, 20, and 40 db (X1, X10, and X100) allow the measurement of signal levels from 30 microvolts to 3 volts RMS, enabling you to measure the signal level from the amplifier to the last tap-off in the system. The logarithmic scale of 30 to 30,000 microvolts allows for the installation and orientation of an antenna without the necessity of range switching.

Q. How can I tell if I have the FS134 tuned to the right signal?

A. The FS134 has a built-in audio system and speaker for monitoring and identifying an FM station or the sound carrier of a TV signal. The dial is calibrated directly in frequency as well as channel numbers for the TV bands. Tune in the signal, monitor the sound, and you can be sure that you have the right station.

Q. I noticed an AC cheater cord receptacle on the front panel. Is the FS134 AC operated?

A. No. The FS134 is powered by inexpensive, easy to get "C" cells. The current drain on the batteries is very low and provides long life. The use of batteries eliminates the possibility of shock hazard and the need for long messy extension cords. The cheater cord receptacle is used for the AC input for an optional rechargeable battery system that can be installed in the FS134 to be used as a portable field instrument as well as operated directly off the AC line for bench use. The rechargeable battery supply is overcharge proof.

FS134 SPECIFICATIONS

TUNING RANGE:
53 MC to 109 MC — TV Channels 2 to 6 and FM Band
173 MC to 218 MC — TV Channels 7 to 13
465 MC to 895 MC — TV Channels 14 to 83

SENSITIVITY:
53 MC to 109 MC — 30 Microvolts ± 3 db
173 MC to 218 MC — 30 Microvolts ± 3 db
465 MC to 895 MC — Microvolts ± 6 db

INPUT IMPEDANCE:
75 ohm for Coaxial cable through Jerrold connector
300 ohm with built-in matching transformer for twinlead

TEMPERATURE RANGE:
-5^{o} to 105^{o} Fahrenheit

SIZE:
9½" x 10" x 5" — 9 lbs.

ATTENUATORS:
0 db (X1 for microvolts)
20 db (X10 for microvolts)
40 db (X100 for microvolts)

POWER REQUIREMENTS:
8 "C" cells for 12 volts supply
1 "C" cell for —1.5 volts bias supply

OPTIONAL ACCESSORIES:
39G15 Rechargeable battery supply. $9.95

SENCORE
NO. 1 MANUFACTURER OF ELECTRONIC MAINTENANCE EQUIPMENT
426 SOUTH WESTGATE DRIVE, ADDISON, ILLINOIS 60101

FORM #305